

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/051930

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G02F1/1333 G02F1/1343

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 638 206 A (KAWAJIRI SHOGO ET AL) 20 January 1987 (1987-01-20) abstract; figures 5-7	1-10, 19
A	* idem *	38
A	GB 2 381 952 A (UNIV SHEFFIELD) 14 May 2003 (2003-05-14) abstract; figure 1	1
A	WO 96/39707 A (RAYCHEM CORP) 12 December 1996 (1996-12-12) cited in the application abstract; figure 2	1, 26
A	US 2002/068389 A1 (GREEN PETER W) 6 June 2002 (2002-06-06) cited in the application the whole document	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

11 January 2005

Date of mailing of the international search report

15. 07. 2005

Name and mailing address of the ISA

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-40

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/SA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-40

device comprising a first layer which is flexible;
and a second layer overlaying the first layer and meanders
across the first layer so as to prevent fracture of the
second layer when the first layer is deformed, the second
layer comprising a plurality of interconnected portions each
having a portion length, the portion length being selected
to prevent fracture when the first layer is deformed to a
predetermined radius of curvature (claim 17 and
corresponding method claim 38).

2. claims: 41-47

device comprising a flexible substrate and;
a layer on the substrate comprising a plurality of
conductive islands, each island being multiply connected to
one or more other islands so as to form a conductive path
across the substrate (claim 41)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/051930

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4638206	A	20-01-1987	JP 61002376 A DE 3575603 D1 EP 0165886 A2	08-01-1986 01-03-1990 27-12-1985
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